

Amendments to the Claims

1. (Currently Amended) An image display device in a digital TV having a display, comprising:

a data processing part for executing bit map conversion, compression, restoration and format-conversion for character data to be displayed on the digital TV display;

a memory for storing the bit map data obtained according to the bit map conversion and compression in said data processing part and image data inputted from an arbitrary receiving part, the receiving part receiving one of digital image data and analog image data;

an image outputting part for reading the image data from said memory; and

a display processing part for mixing the image data read from the image outputting part and the bit map data converted in format by the data processing part.

2. (Original) The device as defined in claim 1, wherein the data processing part comprises a bit map converter for determining whether the text data is the bit map data and converting the text data into the bit map data, based upon the determined result, and a bit map compressor for compressing the bit map data by using a predetermined compression coding.

3. (Previously Presented) The device as defined in claim 2, wherein the data processing part further comprises a bit map decompressor for reading the compressed bit map data from the memory to thereby restore the read data to its original bit map data, and a format converter for converting the format of the decompressed bit map data to correspond with display resolution.

4. (Previously Presented) The device as defined in claim 1, wherein the text data is at least one among HTML data, DHTML data, XML data, SGML data and bit map data.

5. (Original) The device as defined in claim 2, wherein the bit map converter converts the text data into the bit map data, if it is determined that the text data is not the bit map data.

6. (Original) The device as defined in claim 2, wherein the bit map converter bypasses the text data, if it is determined that the text data is the bit map data.

7. (Original) The device as defined in claim 2, wherein the predetermined compression coding is a run-length compression coding.

8. (Previously Presented) The device as defined in claim 1, wherein the memory stores first bit map data or second bit map data .

9. (Previously Presented) The device as defined in claim 1, wherein the conversion of the text data is carried out by using either first bit map data or second bit map data.

10. (Previously Presented) The device as defined in claim 3, wherein the format converter adjusts the resolution by integrating real number times to either a horizontal direction or a vertical direction of decompressed bit map data.

11. (Currently Amended) A data processing device in a digital TV having a display, comprising:

a bit map converter for determining whether text data to be displayed on the digital TV display is bit map data and converting the text data into bit map data, based upon a determined result;

a bit map compressor for compressing the bit map data by using a predetermined compression coding;

a bit map decompressor for reading the compressed bit map data from a memory for restoring read data to its original bit map data; and

a format converter for converting the format of the decompressed bit map data to correspond with display resolution.

12. (Previously Presented) The device as defined in claim 11, wherein the text data is at least one among HTML data, DHTML data, XML data, SGML data and bit map data.

13. (Previously Presented) The device as defined in claim 11, wherein the bit map converter converts the text data into bit map data if it is determined that the text data is not bit map data.

14. (Previously Presented) The device as defined in claim 11, wherein the bit map converter bypasses the text data if it is determined that the text data is bit map data.

15. (Original) The device as defined in claim 11, wherein the predetermined compression coding is a run-length compression coding.

16. (Currently Amended) The device as defined in claim 11, wherein the conversion of the text data is carried out by using either first bit map data or second bit map data previously stored in the memory.

17. (Original) The device as defined in claim 11, wherein the format converter adjusts the resolution by integrating real number times by either the horizontal direction or the vertical directions of the decompressed bit map data.

18. (Currently Amended) A data processing device in a digital TV having a display, comprising:

a bit map converter for determining whether text data to be displayed on the digital TV display is bit map data and converting the text data into bit map data, based upon the determined result;

a format converter for converting the format of the decompressed bit map data to correspond with display resolution;

a bit map compressor for compressing the bit map data by using a predetermined compression coding; and

a bit map decompressor for reading the compressed bit map data from a memory for restoring the read data back to its original bit map data.

19. (Previously Presented) The device as defined in claim 18, wherein the conversion of the text data is carried out by using either first bit map data or second bit map data previously stored in said memory.

20. (Original) The device as defined in claim 18, wherein the format converter adjusts the resolution by integrating real number times to either the horizontal direction or the vertical direction of the decompressed bit map data.